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 Kolokoltsov, Andrey

 <120> High-Throughput Assay for Virus Entry
 and Drug Screening

 <130> D6484

 <141> 2004-03-30

 <150> USSN 60/459,531
 <151> 2003-03-31

 <160> 6

 <210> 1
 <211> 30
 <212> DNA
 <213> artificial sequence

 <220>
 <221> primer_bind
 <223> Oligonucleotide sequence to modify 3' end
 of Friend57 MLV envelope gene to replace
 a native stop codon with *EcoRV* or *EcoRI*
 restriction endonuclease site.

 <400> 1

ccatcgatta gttcaatttg ttaaagacag 30

<210> 2
 <211> 35
 <212> DNA
 <213> artificial sequence

<220>

<221> primer_bind

<223> Oligonucleotide sequence to modify 3' end
of Friend57 MLV envelope gene to replace
a native stop codon with *EcoRV* or *EcoRI*
restriction endonuclease site.

<400> 2

gatcgaattc tggctcgtat tctagtgggtt ttagc 35

<210> 3

<211> 35

<212> DNA

<213> artificial sequence

<220>

<221> primer_bind

<223> Oligonucleotide sequence to modify firefly
luciferase gene to gain *EcoRV* or *EcoRI*
restriction endonuclease site at its 5' end.

<400> 3

gatcgaattc gaagacgccca aaaacataaaa gaaag 35

<210> 4

<211> 35

<212> DNA

<213> artificial sequence

<220>

<221> primer_bind

<223> Oligonucleotide sequence to modify firefly

luciferase gene to gain *EcoRV* or *EcoRI* site at its 5' end and two tandem stop codons and *NotI* site at its 3' end.

<400> 4

gatgcggccg cttacacggc gatctttccg ccctt 35

<210> 5

<211> 4

<212> PRT

<213> artificial sequence

<220>

<223> 4 amino acid residue in the spacer peptide between the envelope protein C-terminus and the luciferase N-terminus in env-luc2 construct.

<400> 5

Glu Phe Gly Ser

<210> 6

<211> 31

<212> DNA

<213> artificial sequence

<220>

<221> primer_bind

<223> Sense strand oligonucleotide sequence for the T471P mutation.

<400> 6

cgccgcggga gtagggcccg gaactaccgc c 31